# ADENSITE

1922

1949

## PRODUCTS

**Adensite Liquid Integral Water-repellent and Hardener**

**Adaflint Applied Hardener**

**Clerseal Colorless Masonry Coating**

**PurTone Cement Colors for Colored Floors**

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**ADENSITE CO., INC.**
**37-19 23rd St.**
**Long Island City 1, N. Y.**

SPECIFICATIONS

# For Hard Water-resisting Concrete

# ADENSITE

***liquid integral water-repellent and hardener***

**lubricates — cures — densifies**

## USES

**Water-repellent**—Concrete Walls and Floors below grade in mass concrete . . . Cement Plaster Coat . . . Mortar for Brick Masonry . . . Stucco.

**Floor Hardener** — Hardening and Non-dusting cement floors.

**Damp-resisting**—Brick Masonry . . . Concrete Blocks . . . Cinder Blocks . . . Stucco.

**Non-Freeze**—Keeps cement active at low temperatures and prevents freezing at 18° F.

**High Early Strength**—Adensite gauge roads, walks and floors will withstand heavy trucking 10 hours after laying.

**Authoritative Tests**—Upon request, we shall be pleased to furnish the architect with authoritative test data on Adensite, compiled from testing laboratory results and research work carried out at the U. S. Bureau of Standards for the A.S.T.M.

**Guarantee**—Adensite is guaranteed to produce positive results by the manufacturers, the ADENSITE CO., INC.

**Service**—Our field men visit construction operations while Adensite is in use.

## ADENSITE SPECIFICATIONS

**Water-resisting Mass Concrete**—All concrete for Foundation, Walls, Areas, Pits and other sections below grade which require a water-repellent shall be gauged with Adensite in the proportion of 1½ gallons to the cubic yard of concrete.

**Water-resisting Floor Finish**—Shall be 1 inch in thickness composed of 1 part portland cement, 2 parts sand gauged with Adensite in the proportion of 1 gallon to 100 square feet.

**Water-resisting Plaster**—Wall coating to be applied in 2 coats ⅜ inch thick composed of 1 part cement, 2 parts sand gauged with Adensite in the proportion of 1 gallon to 120 square feet properly coved and bonded to the floor.

**Water-resisting Brick Masonry**—The mortar to all brick masonry shall be composed of one part Portland cement and three parts clean sand, gauged with water containing Adensite. Adensite renders the mortar fat and workable, eliminating dragging and riding of brick. Adensite used in regular proportion lowers freezing point of mortar to 18° F.

**Water-resisting Portland Cement Stucco**—The mix shall be composed of one part Portland cement and three parts clean sand gauged with water to which Adensite has been added. On Masonry Walls, the stucco shall be applied in three coats, each coat not less than one-quarter inch or more than three-eighths inch in thickness. The whole finishing three-quarter inch thick beyond the normal masonry line. On Lath, the stucco shall be applied in three coats, each coat not less than one-quarter inch or more than three-eighths inch in thickness. The whole finishing three-quarter inch over the lath face.

**Floor Hardening**—For the treatment of floors subject to heavy wear, water or oil conditions. Upon the plain concrete floor slabs shall be laid a 1-inch topping of one part cement and two parts clean sand gauged with Adensite in the proportion of 1 gallon to 100 square feet.

**The Gauging Liquid**—Gauging Liquid may be prepared by putting four gallons of Adensite in a fifty-two gallon barrel and adding water (no stirring required). The above applies to Mass Concrete, Cement Plaster, Portland Cement Stucco, and Floor Work. For Brick Masonry, put three gallons of Adensite into a fifty gallon barrel and add water. If the water is fed direct to the mixer, the water should be let in drum and one quart of Adensite added for each bag of cement in the mix before the dry mix is dumped in. For every one bag batch use between three and four gallons of the prepared liquid. The proportion of Adensite to water is averagely 1 gal. Adensite to 15 gallons water. Much less water is required where Adensite is employed than where plain water only is used. Adensite increases the flowability of mortar 14%.

**Joints Between Various Pourings**—Shall be thoroughly grouted with Adensite Grout.

**Adensite Grout**—Add one part of Adensite to three parts water and enough cement to give mixture a creamy consistency.

**Protection of Green Work**—To protect green work against action of water the pump shall be kept in operation twenty-four hours after pouring or troweling of work.

## WITH ADENSITE YOU DO IT RIGHT

**For Bonding New to Old Concrete**—All surfaces before application of new work shall be thoroughly roughed, cleaned and dampened with Adensite Grout to insure perfect bond. For Floors, when slab is over forty-eight hours old, before topping is stretched, it shall be given a coating of Adensite Grout. When slab is over seven days old, before topping is stretched, it shall be roughened with pick or chisel, cleaned and given a coat of Adensite Grout.

## DAMP-RESISTING

**Coatings for Brick Masonry, Concrete Blocks, Cinder Blocks and Stucco.**

Stir ½ bag of Portland Cement into a solution composed of one gallon Adensite and three gallons water. Apply with a brush in two coats. One coat will cover 600 square feet. Adensite Coating, becoming part of the wall and preventing the passage of moisture where only dampness and moisture are to be encountered. A beautiful white effect can be obtained by using a white Portland cement (unwaterproofed) instead of a gray Portland.

**To Prevent Freezing**—Adensite used in regular proportion for water-resisting—one quart to one bag of cement will prevent freezing at 18° F. Important—Every admixture that prevents freezing is not good for concrete.

**Make Sure With Adensite**—Adensite strengthens concrete and is harmless to reinforcing.

## HOTSHOTS

Hotshots for stopping a leak coming directly through a wall can be made with cement and pure Adensite, worked in the hands like putty. When chemical heat becomes apparent (in about 1 or 2 minutes) plug leak and hold until set (about 3 minutes).

## CURING

Adensite cures concrete. Tests at U. S. Bureau of Standards show as high strength in Adensite gauged specimens under out-door curing as plain water gauged specimens under damp storage curing.

# COLORED CEMENT FLOORS

***made with PurTone color and Adensite***

PurTone color is a pure mineral product in powdered form that combines properly with Portland cement. Adensite is a liquid integral hardener that renders a floor adamant-like and free of dust, rut or flake. It intensifies the color value.

SPECIFICATIONS UPON REQUEST.

# CLERSEAL

***the colorless liquid for masonry walls above grade***

Clerseal stops the leakage of moisture through masonry walls above grade, without changing the appearance of the surface.

Brick masonry treated with Clerseal will not develop efflorescence.

Clerseal penetrates the masonry by changing the capillary attraction in brick, stone and mortar so that water is actively repelled.

Clerseal becomes a part of the masonry, without clogging the pores: leaves no outside skin to break, wear through or disintegrate.

There is no paraffin or wax in Clerseal.

Brick walls treated with Clerseal are sealed against leakage from heavy storms.

Clerseal prevents frost cracks and unsightly blotches in stucco.

Clerseal can be applied with a brush or spray.

# ADAFLINT

***hardens old and new concrete floors***

Adaflint, a highly concentrated surface hardener, is composed of mineral salts in crystal form which dissolve readily in cold water.

Adaflint finish is not affected by weather conditions and it is as efficient outdoors as under cover.

SPECIFICATIONS UPON REQUEST.

## SERVING THE INDUSTRY FOR OVER A QUARTER OF A CENTURY

# ADENSITE CO., INC.

# The Finest Buildings in the World

New York Central Bldg., N.Y.C.

Marshall Field Bldg., N.Y.C.

Mayflower Hotel, Wash., D.C.

Independence Hall, Philadelphia

National Airport, Washington, D.C.

Bermudiana Hotel, Hamilton, Bermuda

Subway Structure, Oslo, Norway

Passaic County Sanatarium, Passaic, N.J.

New York Life Insurance Building, N.Y.C.

Robert Simpson Co. Ltd. Dept. Store, Toronto

Standard Oil Hydrogenation Plant, Bayway, N.J.

Brooklyn and Philadelphia Navy Yards

# ADENSITE

## is invariably used where the highest standards are to be met